Crop Progress and Condition

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ALASKA: There were 6.5 days suitable for fieldwork last week. Topsoil moisture supplies were reported as 10% short, 90% adequate. Subsoil moisture supplies were reported as 5% short, 95% adequate. Barley was reported as 60% headed. Oats were reported as 50% in-boot. Potatoes were reported as 100% emerged. First cutting of hay was 50% complete. Condition of barley was reported 15% poor, 50% fair, 25% good, 10% excellent. Condition of oats was reported as 20% poor, 35% fair, 45% good. Condition of all hay was reported 5% poor, 25% fair, 55% good, 15% excellent. Condition of potatoes was reported 70% good, 30% excellent. Wind and rain damage to crops was reported as 95% none, 5% light. Rate of crop growth was reported as 60% moderate, 40% rapid. The main farm activities for the week were harvesting hay, fertilizing for second cutting of hay, weed control, CRP maintenance, farm and fence maintenance.

CROP WEATHER SUMMARY
July 7 – July 13, 2014

Days Suitable for Fieldwork: 6.5

Crop	Topsoil Moisture	Subsoil Moisture
Very Short	0%	0%
Short	10%	5%
Adequate	90%	95%
Surplus	0%	0%

Pan Evaporation [1/]	UAF-AFES, Trunk Rd	1.08

TANANA VALLEY: An average of 6.0 days was suitable for fieldwork. Topsoil moisture and subsoil moisture were both reported as 100% adequate. Barley was reported as 60% headed. Oats were as 50% in-boot. Potatoes were reported as 100% emerged. First cutting of hay was 60% complete. Condition of barley was reported 15% poor, 50% fair, 25% good, 10% excellent. Condition of oats was reported 25% poor, 35% fair, 40% good. Condition of all hay was reported as 10% poor, 20% fair, 40% good, 30% excellent. Wind and rain damage to crops was reported as 95% none, 5% light. Rate of crop growth was reported as 50% moderate, 50% rapid. Farm activities for the week included harvesting hay, fertilizing for second cutting, CRP maintenance, fence construction and maintenance.

MATANUSKA VALLEY: An average of 7.0 days was suitable for fieldwork. Topsoil moisture was reported as 20% short, 80% adequate. Subsoil moisture was reported as 15% short, 85% adequate. Potatoes were reported as 100% emerged. First cutting of hay was 45% complete. Condition of all hay was reported as 5% poor, 30% fair, 60% good, 5% excellent. Wind and rain damage to crops was reported as 95% none, 5% light. Rate of crop growth was reported as 70% moderate, 30% rapid. Farm activities for the week included cutting hay, harvesting vegetables, hilling potatoes, weed control, farm maintenance.

KENAI PENINSULA: An average of 7.0 days was suitable for fieldwork. Topsoil and subsoil moisture were both reported as 100% adequate. First cutting of hay was reported as 50% complete. Condition of all hay was reported as 100% good. No damage to crops from wind and rain was reported. Rate of crop growth was reported as 100% moderate. Farm activities for the week included harvesting hay, farm maintenance.

Soil Temperatures (F^0) at 4 inch depth

	Grass			Fallow land			Temperature		Precipitation (inches)
	2014	2013	2012	2014	2013	2012	High	Low	
UAF-AFES, Trunk Rd	60	61	57	60	63	na	68	47	0.37
Sawmill Creek	55	55	56	na	na	na	77	42	0.25
Plant Materials Center	59	64	52	57	57	51	69	48	0.50

1/ Pan evaporation is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation. na – not available.

Weekly Weather Statistics — Alaska: July 7 - July 13, 2014

Weather station	Air temperature				Last week precipitation		Season cumulative precipitation			Growing degree days		
	Hi	Low	AVG	DFN	Total inches	Days	Total inches	DFN	Days	Base 50		Base 40
										Total	DFN	Total
Fairbanks International	87	54	66	+4	1.22	4	8.04	+5.39	23	512	+4	1,199
Fairbanks-Eielson	83	49	64	+2	0.04	1	4.60	+1.29	11	353	-124	973
Nenana	85	50	64	+4	1.02	2	8.02	+5.82	23	383	-47	1,026
Fort Greely-Allen	79	51	64	+4	0.03	1	6.21	+1.89	22	341	-93	976
Healy River Airport	75	50	61	+2	0.52	6	4.39	+0.19	32	264	-69	893
Gulkana Airport	71	48	59	+3	0.33	4	3.12	+0.25	18	170	-34	826
Sutton	66	48	56	-2	1.24	6	5.53	+2.34	36	179	-29	845
Palmer	69	49	58	+0	0.40	2	3.09	+0.32	19	324	+25	1,043
Talkeetna	71	52	60	+1	0.96	4	6.08	+0.81	29	318	+22	1,005
Willow Airport	68	51	59	+1	1.14	6	5.37	+3.07	35	355	+90	1,076
Anchorage International	69	49	59	+1	0.73	4	4.40	+2.06	24	370	+94	1,092
Kenai	67	50	57	+3	1.81	4	5.11	+2.44	29	149	+13	756
Homer	69	51	58	+5	0.49	4	2.88	+0.32	25	203	+95	895
Kodiak	64	49	55	+2	2.01	6	9.46	-4.11	24	191	+87	839

Summary based on NWS data.
DFN=Departure from normal.
Precipitation days=Days with precipitation of 0.01 inch or more.
Season cumulative precipitation total starts May 1, 2014.

For more weather information visit www.awis.com or call 1-888-798-9955.

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